

CORRES CONTROL  
OUTGOING LTR NO

DOE ORDER # 4700 1  
94 RF 04317

## EG&G ROCKY FLATS



000027859

DIST ltr EG&G ROCKY FLATS, INC  
AMARAL ME ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80-02 0464 (303) 966 7000

April 18, 1994

94-RF-04317

DAVIS JG  
FERRERA DW  
HANNI BJ  
HARMAN LK  
HEALY TJ  
HEDAH L  
HILBIG JG  
HUTCHINS N M  
KELL RE  
KIRBY WA  
KUSHER AW  
MAHAFFEY JW  
MARX GE  
MCDONALD M M  
MCKENNA FG  
MITHROSE JK  
MITHROSE PV  
MITHROSE GL  
MITHROSE TL  
MITHROSE NB  
MITHROSE GH  
MITHROSE DL  
MITHROSE SG  
MITHROSE MT  
MITHROSE ER  
MITHROSE RB  
MITHROSE JM  
MITHROSE RD

Frazer R Lockhart  
Acting Director  
Environmental Restoration Division  
DOE/RFO

Attn Jen Pepe

OPERABLE UNIT (OU) 6, COMPARISONS TO BACKGROUND DATA FOR POND  
SEDIMENTS - WSB-042-94

The choice of appropriate background data for comparison to Operable Unit (OU) 6 pond sediments is complicated by several factors. First there are no pond sediments in the Rock Creek area, where background data have been collected for surface water and stream sediments and reported in the Background Geochemical Report (EG&G 1993). In addition, only limited data from the seep-sediment stations in the Rock Creek drainage could be considered comparable to OU 6 pond sediments. These data are from sediment stations SED018, SED019, and SED021. Due to the limitations of these data (few sampling locations and low confidence in representativeness of data), two approaches are suggested for background comparison for OU 6 pond sediments. These are

1 A comparison of pond sediment data from OU 6 to seep-sediments in the Rock Creek drainage, including statistical comparisons according to the Gilbert methodology,

2 A comparison of OU 6 pond sediments to data being collected on sediments from reservoirs along the Front Range (methodology to be used in background comparisons for OU 3). This comparison also has limitations for use with OU 6 data since Front Range reservoirs differ from OU 6 ponds both in size and flow patterns. Therefore, this analysis will be presented as a weight-of-evidence comparison. Data from Front Range reservoirs is sparse and, therefore, will not be useful for statistical comparison.

Both of these analyses will be considered in determination of Potential Chemicals of Concern (PCOCs) for OU 6 pond sediments.

Because this is a slight variation to the agreed upon methodology for background comparison, regulatory concurrence is requested. If you have any questions regarding this letter please contact Ed Mast of my staff at extension 8589.

PATS/T130G

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IN REPLY TO RFP CC NO

11/1

ACTION ITEM STATUS

☐ OPEN ☒ CLOSED

☐ PARTIAL

LTR APPROVALS

ORIG & TYPIST INITIALS

ECM tjr

W S Busby  
Director  
ERM/Remediation Project Management

ECM tjr

Orig and 1 cc - F R Lockhart

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